

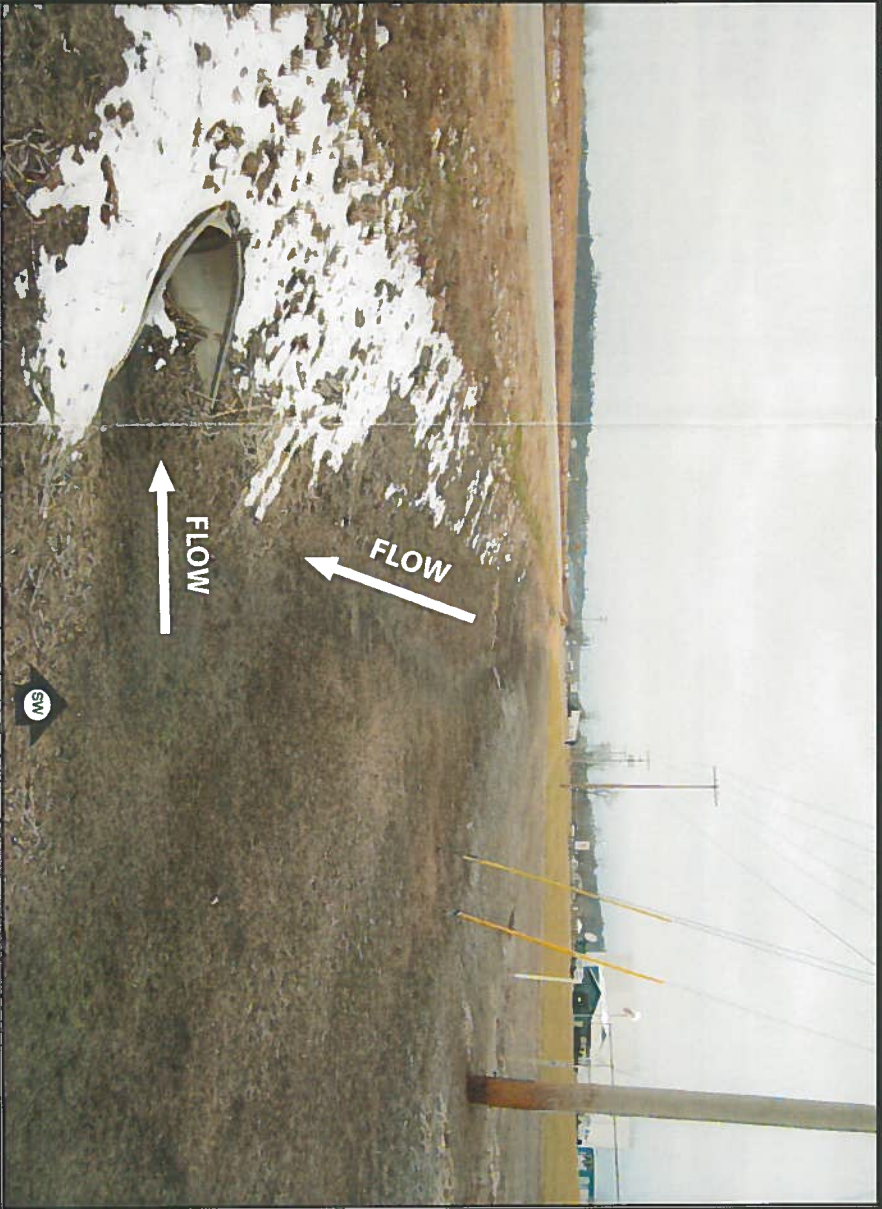
7.0 TACTICAL PLANS

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Site 1 - Small Discharge Tactical Plan

St. Joseph Terminal



RESPONSE STRATEGY

Latitude/Longitude: N 39° 44' 57" W 94° 55' 37"

Location: Doniphan County, Wathena, KS

Water Way: Road Drainage Ditch

Owner: TBD

Distance from Spill Source: 100 yards

Map Reference: Wathena

Response Objective: Containment and Recovery

Response Tactic: - Normal Conditions

For planning purposes, a spill from a tank truck leaving the facility is considered the most likely source of petroleum migrating off-site. In this scenario, the spill would travel south to the US Highway 36 drainage ditch. Facility personnel will respond by sealing the culverts (1. facility drive culvert and/or 2. frontage road culvert east of the facility drive) using poly sheeting, lumber and/or sandbags to pool product for collection by vac truck and skimmer and/or sorbents. In the event petroleum migrates beyond the culverts, facility personnel will respond by deploying containment boom at the retention pond bound by the on ramp to Hwy 36 and Vernon Road. Containment boom will be placed around the inlets/outlets at the retention pond (two total). The blocking technique and, if necessary, boom deployment in the retention pond will serve as the "functional equivalent" of 1000' of boom. Additional personnel and equipment will be requested from OSRO's as necessary. The company OSRO will respond with a vacuum truck within 2-hours to recover contained petroleum.

**Watercourse Description:** Drainage ditch, 5-6 ft. wide, mud banks and bottom, 0-2 ft. deep.

**Description of Worksite:** Rural area, multi-lane paved road access, light traffic.

**Critical Response Information:** Air monitoring and PPE per Site Safety Plan.

Date Last Revised: January 13, 2012

Site 1 - Small Discharge Tactical Plan

LEGEND


Origin ● Destination ●

DRIVING DIRECTIONS

From Interstate 29 (Exit 46 A/B) to Us Highway 36

West on US Highway 36 for 7.5 miles to 165th Street (State Highway 238 Spur)

Cross intersection northwest 500 yards to worksite.



TECHNICAL RESPONSE PLANNING CORPORATION

February 2005

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RECOMMENDED EQUIPMENT			RECOMMENDED EQUIPMENT		
WCD	SMALL	DESCRIPTION	WCD	SMALL	DESCRIPTION
	50' - 75'	Containment Boom			
	40 feet	Sorbent Boom			
		Vac Truck(s)			
		Skimmer(s) - (Suction, Weir, Oleophilic)			
		Sorbent pad(s)			
		Poly Sheeting			
	(2) sheets	4' x 8' x 1/2" Plywood			
	10	Sandbags			

RECOMMENDED PERSONNEL			RECOMMENDED PERSONNEL		
WCD	SMALL	DESCRIPTION	WCD	SMALL	DESCRIPTION
	(2)	Local Responders			
		Laborer(s)			
		Supervisor(s)			
		Equipment Operator(s)			
		Vac Truck Operator(s)			
		Boat Operator(s)			



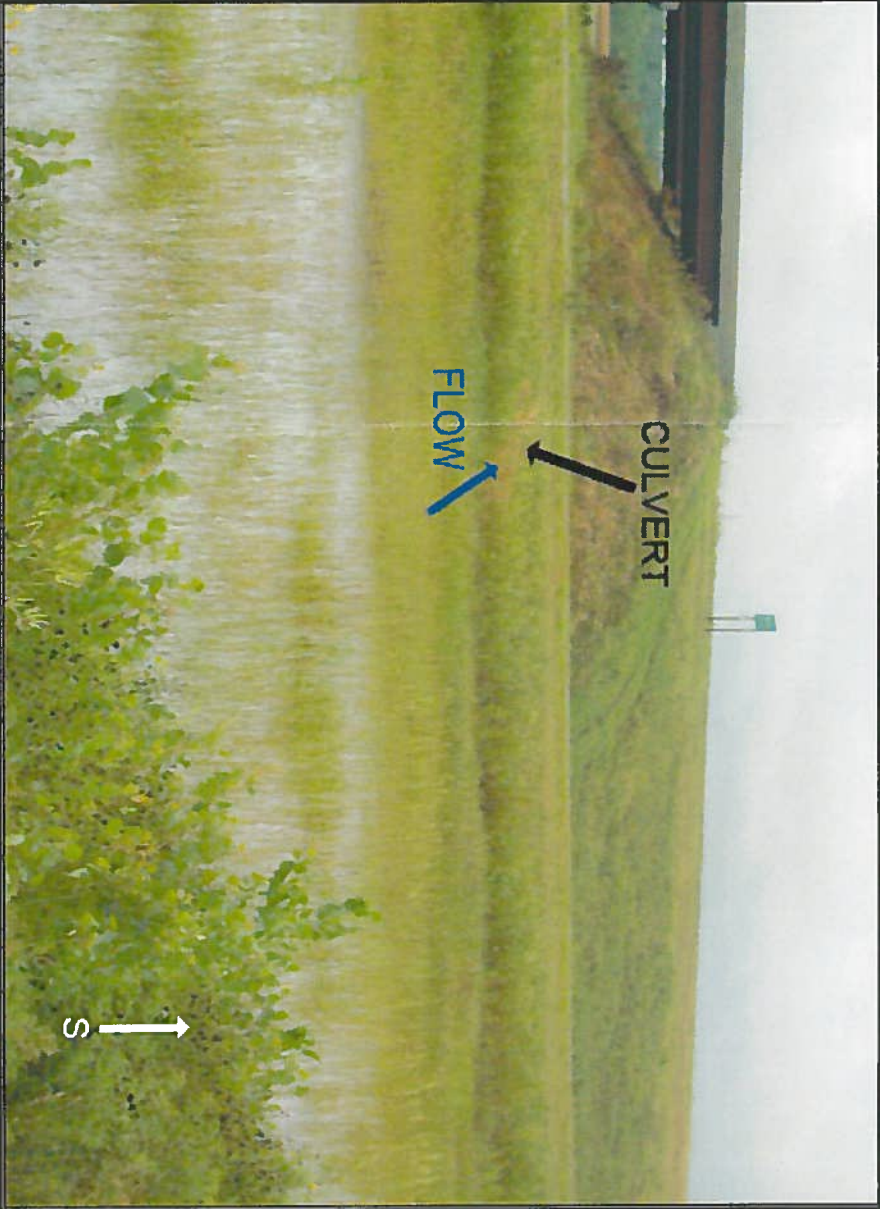
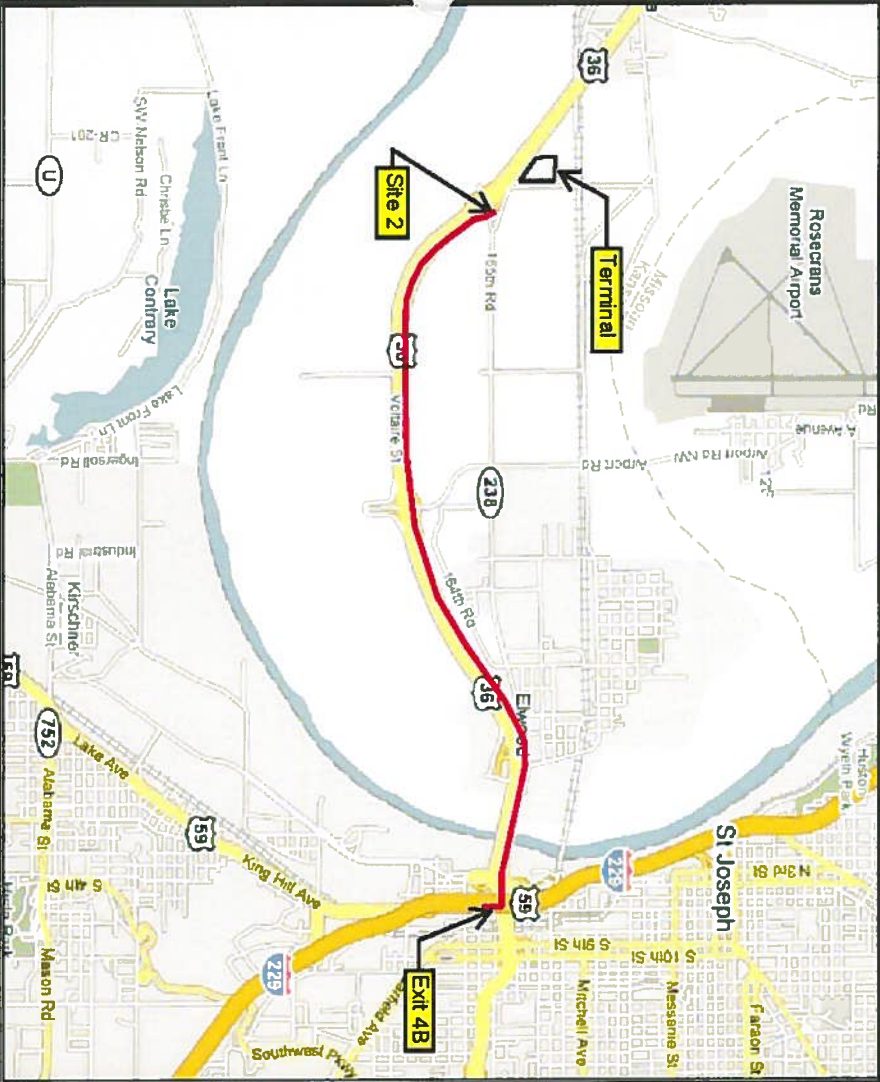
(Click here for Tactical Plans) 2



Site 2



St. Joseph Terminal



RESPONSE STRATEGY

**Latitude/Longitude:** N 39° 44' 52" W 94° 55' 01"

**Location:** Doniphan County, Wathena, KS

**Water Way:** Storm Water Retention Area (west of Vernon Road/165th Street intersection)

**Owner:** Missouri Department of Transportation

**Distance from Spill Source:** 500 yards

**Map Reference:** Wathena

**Response Objective:** Containment and Recovery

**Response Tactic:** - *Normal Conditions*

Seal off flow through culvert out of storm water retention area by placing plywood against culvert, blocking flow. Secure plywood in place using the stakes and sandbags. Collect pooled product with a vac trucks. Sorbent booms and pads may also be placed downstream in the event that some product has already migrated past the containment point or upstream to collect product in the storm water retention area.

**Watercourse Description:** Storm water retention area, approximately 430 feet wide and 600 feet long, depth varies and may be approximately 1 to 2 feet deep, grass banks and bottom

**Description of Worksite:** Rural area, multi-lane paved road access, light traffic.

**Critical Response Information:** Air monitoring and PPE per Site Safety Plan.

Date Last Revised: August 5, 2008

Site 2

LEGEND

Origin ●

Destination ●

DRIVING DIRECTIONS

From Interstate 29 (Exit 46 A/B) to US Highway 36

West on US Highway 36 for 7.5 miles to 165th Street (State Highway 238 Spur)

Site 2 is west of the intersection of 165th Street and Vernon Road.



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February 2005

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RECOMMENDED EQUIPMENT			RECOMMENDED PERSONNEL		
WCD	SMALL	DESCRIPTION	WCD	SMALL	DESCRIPTION
4		Metal Culvert Pipes			
1		Trac-hoe	1		Light tower(s)
400 ft		Sorbent Boom	2		Port-o-lets(s)
1		Vac Truck(s)			
1		Frac Tank(s)			
1		Skimmer(s) - (Suction, Weir, Oleophilic)			
100 ft		3/8" Polypropylene Line			
12		Stake(s)			
4		Sledge hammer(s)	1		Supervisor(s)
6 bales		Sorbent pad(s)	1		Vac Truck Operator(s)
2 cases		85 gallon drum liners	2		Equipment Operator(s)
2 rolls		Poly Sheeting	4		Laborer(s)
5		4' x 8' x 1/2" Plywood			
4		Shovels			

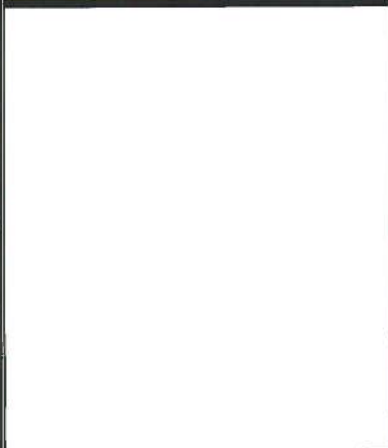
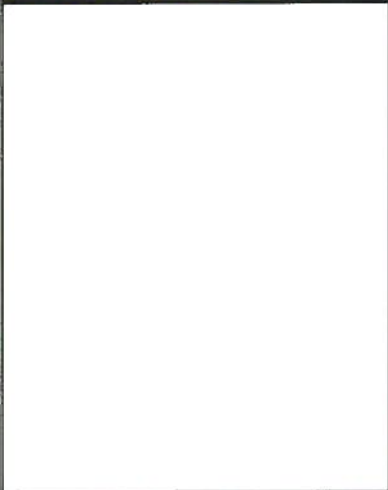


7.0 TACTICAL PLANS

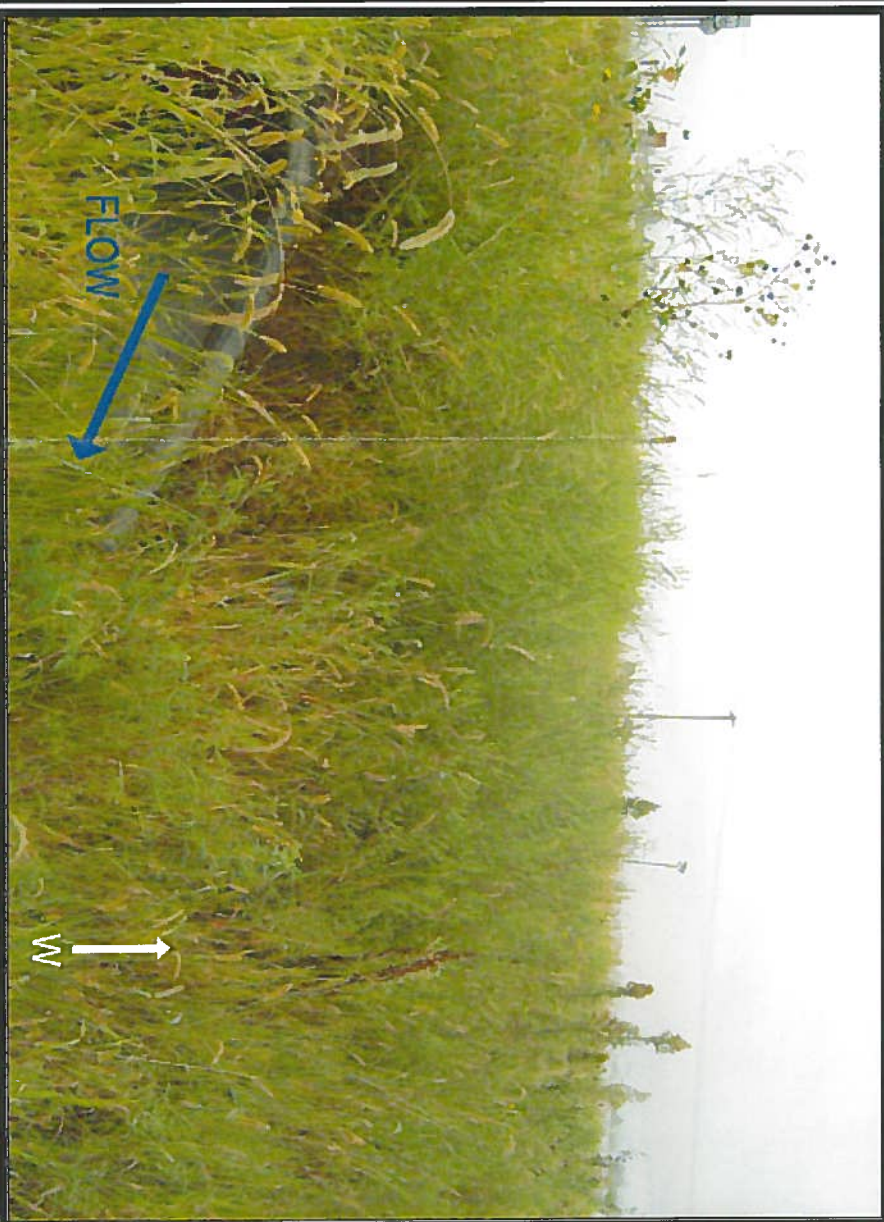
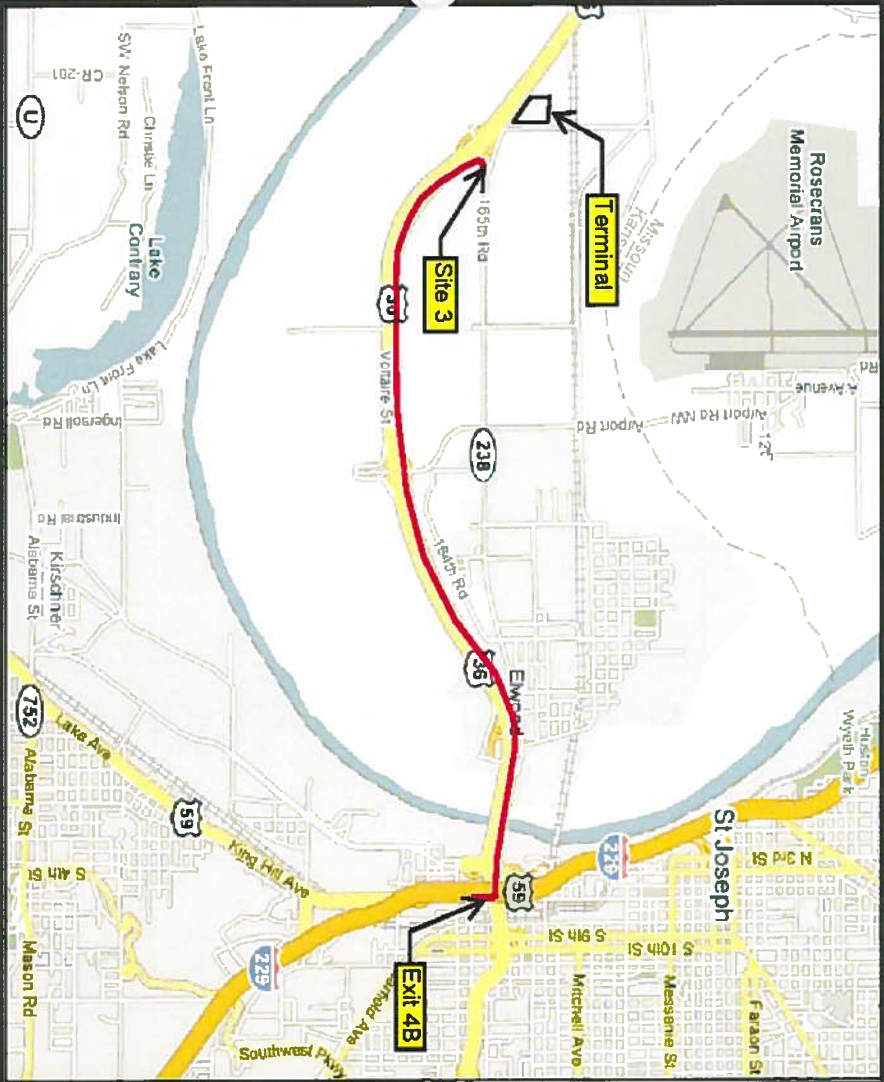
[\(Click here for Tactical Plans\)](#) 3



Site 3



St. Joseph Terminal



RESPONSE STRATEGY

Latitude/Longitude: N 39° 44' 51"W W 94° 54' 50"

Location: Doniphan County, Wathena, KS

Water Way: Storm Water Retention Area (west of 165th Street & Vernon Road intersection)

Owner: Missouri Department of Transportation

Distance from Spill Source: 500 yards

Map Reference: Wathena

Response Objective: Containment and Recovery

Response Tactic: - Normal Conditions

Seal off flow through culvert out of storm water retention area by placing plywood against culvert, blocking flow. Secure plywood in place using the stakes and sandbags. Collect pooled product with a vac trucks. Sorbent booms and pads may also be placed downstream in the event that some product has already migrated past the containment point or upstream to collect product in the storm water retention area.

Watercourse Description: Storm water retention area, approximately 430 feet wide and 600 feet long, depth varies and may be approximately 1 to 2 feet deep, grass banks and bottom

Description of Worksite: Rural area, multi-lane paved road access, light traffic.

Critical Response Information: Air monitoring and PPE per Site Safety Plan.

Date Last Revised: August 5, 2008

Site 3

LEGEND

Origin ●

Destination ●

DRIVING DIRECTIONS

From Interstate 29 (Exit 46 A/B) to US Highway 36

West on US Highway 36 for 7.5 miles to 165th Street (State Highway 238 Spur)

Site 3 is west of the intersection of 165th Street and Vernon Road.

RECOMMENDED EQUIPMENT

WCD	SMALL	DESCRIPTION
4		Metal Culvert Pipes
1		Trac-hoe
1		Vac Truck(s)
1		Frac Tank(s)
1		Skimmer(s) - (Suction, Weir, Oleophilic)
400 ft		Sorbent boom
2 cases		85 gallon drum liners
100 ft		3/8" Polypropylene Line
12		Stake(s)
4		Sledge hammer(s)
6 bales		Sorbent pad(s)
2 rolls		Poly Sheeting
5		4' x 8' x 1/2" Plywood
4		Shovels

RECOMMENDED EQUIPMENT

WCD	SMALL	DESCRIPTION
1		Cell Phone(s)
2		Portable Radios(s)
1		Light tower(s)
2		Port-o-let(s)

RECOMMENDED PERSONNEL

WCD	SMALL	DESCRIPTION
		Supervisor(s)
		Vac Truck Operator(s)
		Boat Operator(s)
4		Laborer(s)



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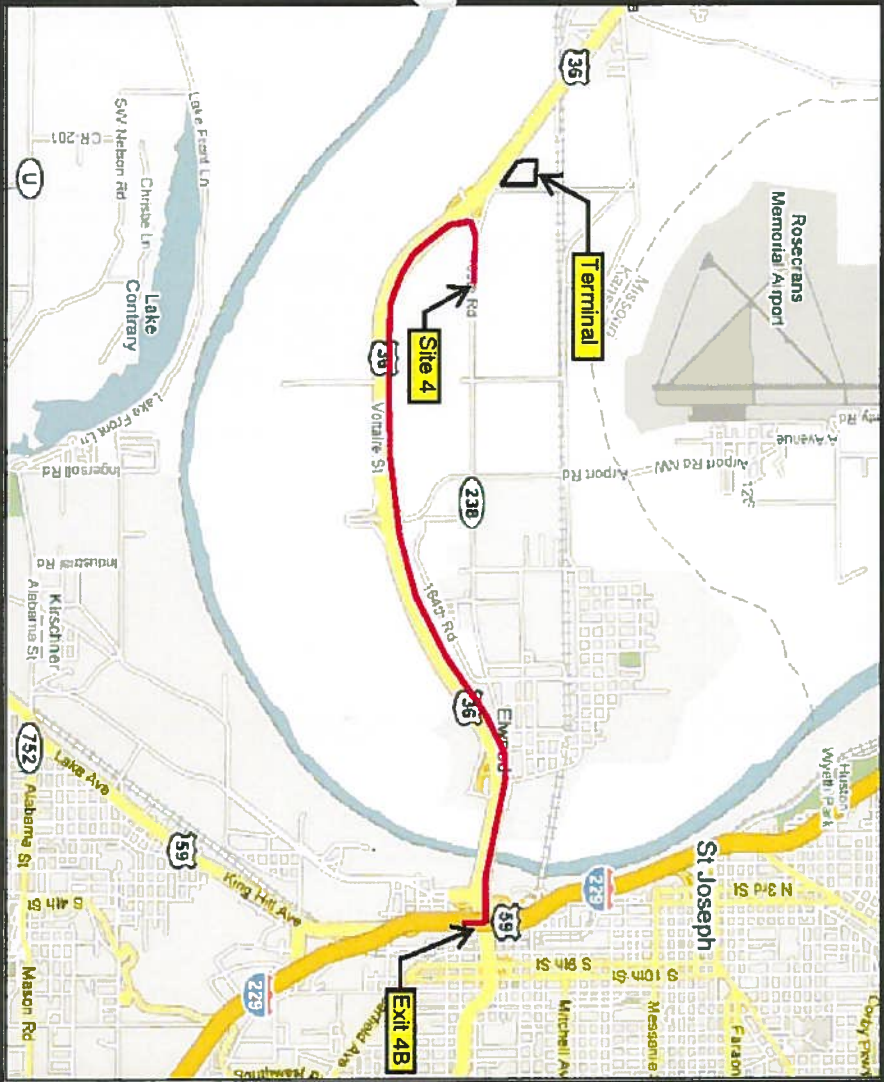
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RESPONSE STRATEGY

**Latitude/Longitude:** N 39° 45' 16" W 94° 54' 30"

**Location:** Doniphan County, Wathena, KS

**Water Way:** Drainage Ditch

**Owner:** Missouri Department of Transportation

**Distance from Spill Source:** 550 yards

**Map Reference:** Wathena

**Response Objective:** Containment and Recovery

**Response Tactic:** - *Normal Conditions*

Use absorbent boom to prevent a release from flowing downstream in the ditch. Cover containment area with poly sheeting to prevent a release from flowing downstream in the ditch. Cover containment area with poly sheeting to prevent permeation of product. Poly sheeting may need to be secured with sandbags. Use absorbent booms and pads to absorb product in the containment area until a vac truck arrives.

**Watercourse Description:** Drainage ditch, grass cover, 10 feet wide, 1 foot deep

**Description of Worksite:** Rural area, single-lane dirt road access, light traffic.

**Critical Response Information:** Air monitoring and PPE per Site Safety Plan.

Date Last Revised: August 5, 2008

LEGEND

Origin ●

Destination ●

DRIVING DIRECTIONS

From Interstate 29 (Exit 46 A/B) to US Highway 36

West on US Highway 36 for 7.5 miles to 165th Street (State Highway 238 Spur)

East on 165th Street to the intersection of 165th Street and Vernon Road. Site 4 is on the east side of this intersection.



TECHNICAL RESPONSE PLANNING CORPORATION

February 2005

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RECOMMENDED EQUIPMENT			RECOMMENDED PERSONNEL		
WCD	SMALL	DESCRIPTION	WCD	SMALL	DESCRIPTION
1		Trac-hoe	RECOMMENDED PERSONNEL		
1		Vac Truck(s)			
1		Frac Truck(s)			
4		Shovels			
1		Skimmer(s) - (Suction, Weir, Oleophilic)	WCD	SMALL	DESCRIPTION
20 feet		Sorbent boom			
6 bales		Sorbent pad(s)			
2 rolls		Poly sheeting			
7 cases		85 gallon drum liners			
1		Cell Phone(s)			
2		Portable Radio(s)			
1		Light tower(s)			
2		Port-o-let(s)			